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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 03/08/2019

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	150.72 X 151.65 X 149.63	22858	**8.122**	589.8	25.8	25.7
2	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	149.54 X 151.87 X 150.67	22710	**8.619**	609.2	26.8	
3	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	150.32 X 149.44 X 150.04	22464	**8.991**	550.9	24.5	

Note:

The results pertain to the samples received and tested.
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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2019-09-12-33

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore. **Date: 24/08/2019**

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	149.19 X 149.88 X 151.65	22361	8.592	738.3	33.0	33.1
2	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	151.63 X 150.33 X 150.38	22795	8.020	742.0	32.6	
3	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	151.50 X 150.79 X 151.65	22845	8.607	772.2	33.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-12-33** **Date: 03/08/2019**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	151.96 X 149.46 X 150.61	22712	8.122	586.9	25.8	25.6
2	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	150.22 X 150.21 X 151.35	22564	8.619	603.0	26.7	
3	Cement Concrete Pavement	M30	27/07/2019	03/08/2019	150.89 X 151.08 X 150.16	22796	8.991	554.9	24.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-12-33** **Date: 24/08/2019**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	150.03 X 149.43 X 150.59	22419	8.592	752.8	33.6	33.2
2	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	149.31 X 149.14 X 149.39	22269	8.020	731.0	32.8	
3	Cement Concrete Pavement	M30	27/07/2019	24/08/2019	150.42 X 149.18 X 151.27	22439	8.607	746.8	33.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-09-12-33** **Date: 30/07/2019**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-07-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/07/2019	30/07/2019	151.86 X 149.21 X 149.09	22660	8.046	422.4	18.6	18.4
2	Drain Side Wall Concrete	M20	23/07/2019	30/07/2019	149.09 X 151.00 X 151.56	22513	8.386	417.8	18.6	
3	Drain Side Wall Concrete	M20	23/07/2019	30/07/2019	149.33 X 150.21 X 150.87	22430	8.364	405.3	18.1	

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ಡಿ ದಾಸರಹಳ್ಳಿ ಉಪ - ವಿಭಾಗ
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/08/2019

Lab ID	:	CP-2019-09-12-33
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-07-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/07/2019	20/08/2019	150.67 X 150.64 X 150.78	22697	8.005	541.0	23.8	23.2
2	Drain Side Wall Concrete	M20	23/07/2019	20/08/2019	151.84 X 151.56 X 149.21	23013	8.445	507.8	22.1	
3	Drain Side Wall Concrete	M20	23/07/2019	20/08/2019	151.57 X 149.59 X 150.00	22673	8.880	538.7	23.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/08/2019

Lab ID	:	**CP-2019-09-12-33**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.
Agency	:	Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.
Customer's Reference	:	EE/DD/WO/360/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	151.72 X 151.20 X 151.13	22941	8.122	575.1	25.1	25.2
2	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	151.39 X 151.35 X 150.15	22914	8.619	606.1	26.5	
3	Cement Concrete Pavement	M30	26/07/2019	02/08/2019	150.54 X 150.49 X 149.90	22655	8.991	548.3	24.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-12-33 **Date: 23/08/2019**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads Drains and Other Development Works in Bagalagunte Ward No.14.

Agency : Sri Raghunandan L, #13, 2nd Main Road,Gandhigrama Maruthi Extension, Bengaluru-21.

Customer's Reference : EE/DD/WO/360/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	151.59 X 151.88 X 150.92	23023	8.592	766.3	33.3	33.2
2	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	149.58 X 151.17 X 151.91	22613	8.020	729.8	32.3	
3	Cement Concrete Pavement	M30	26/07/2019	23/08/2019	151.00 X 150.64 X 149.86	22747	8.607	772.4	34.0	

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